

Program Landscape Data Project

FINAL Report
October 21, 2024



Working with philanthropies,

nonprofits, and educators to expand

equitable learning opportunities

within and outside of schools

through:

- Capacity building and communities of practice
- Research and data projects
- Knowledge development and translation - guidance and tools
- Strategic planning



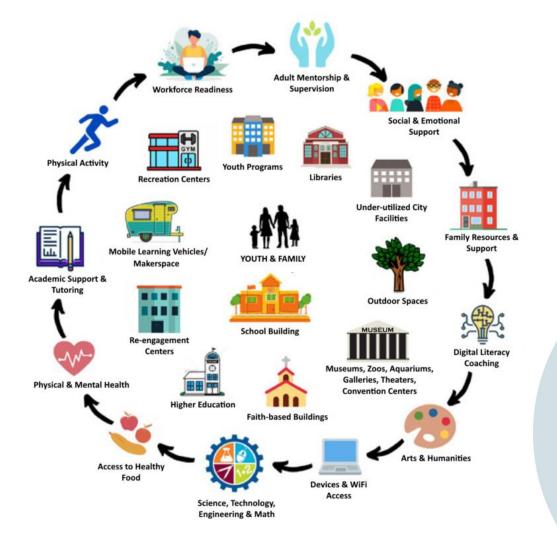
Summary of Findings

- Detailed information was collected from 915 comprehensive summer and afterschool programs across 5 categories / large systems. The total number of providers is certain to be higher so these results should be interpreted accordingly.
- Vermont has 88,000 children and youth ages 5-17 and a known capacity of 26,420 school year afterschool slots and 29,159 summer program slots.
- The **density of programming and capacity to serve young people varies** from county to county, by age and grade band, and time of year.
- During the school year, afterschool capacity to serve ranges from 7% (Grand Isle) to 46% (Addison) of 5 to 17 year olds and is 30% statewide.
- During the summer, capacity to serve ranges from 12% (Bennington) to 53% (Caledonia) and is 33% statewide.
- There are opportunities to streamline and align how data is collected and stored in order to replicate and expand this study.



Linked Deliverables

- <u>Data Request Email Template</u> Email language with summary of requested variables used for outreach to data holders
- <u>Landscape Data Inventory Summary of Data Sources</u> Includes list of secured and potential data sources, links to individual data sources, and crosswalk by source and requested variables
- Program Landscape Database Includes tab with program contact information and link to Tableau reporting file
- Tableau Data Visualizations Vermont Program Landscape Report
- Vermont Census Data Tables Includes data by county, town, and zip code





Out-of-School Time (OST)

refers to youth development programs that occur before and after the school day, as well as programs that occur during school breaks.

What Do Afterschool and Summer Programs Look Like?

Youth-led learning and social activities Support for working families and wrap-around services



Hands-on, project-based learning Outdoor experiences, physical activities, and healthy food



Academic enrichment and support





Planning and preparing for college



STEM, arts, and music



Trusted, responsive community resource

Socialemotional learning



Job opportunities for older youth



Service learning and community projects





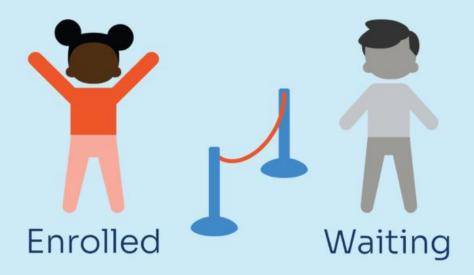


In 2020, Governor Phil Scott announced **a goal of offering universal afterschool across the state**—meaning afterschool and summer programs would be accessible and affordable for all families and youth who want to enroll, particularly those who have low incomes and/or live in rural locations.



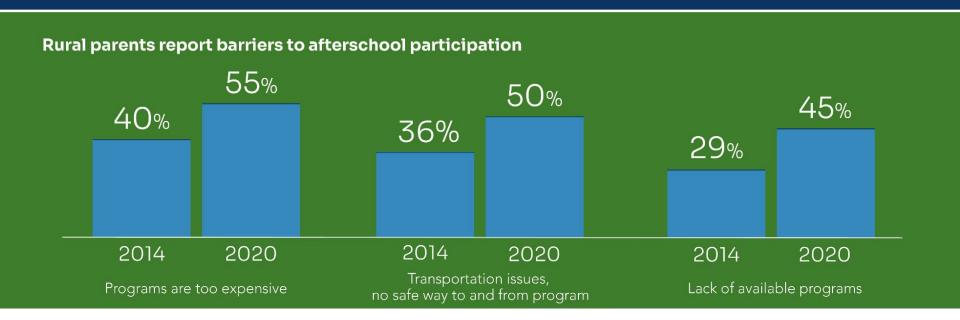


For every child in afterschool in Vermont, **1 is waiting** for an available program.





Roadblocks to afterschool participation are growing in rural communities.



Data Project Purpose

- Create a baseline data set of summer and afterschool programs in Vermont that will be used to monitor progress towards the goal of universal access, and to support information sharing with a wide variety of audiences, including parents and decision makers
- Provide recommendations for ensuring an evergreen and accurate data set and improve processes for data collection & collaboration



VERMONT OFFICE OF THE GOVERNOR









Project Plan

Brainstorm Develop Clean and **Develop** potential process **Review** Develop combine project data and data existing data and refine data sets, goals and infrastructure sources sources and analysis, a data research and recs for 2022 analysis model and questions conduct moving reporting forward outreach





Research Questions

- **NEED**: What is the potential need/demand for summer and afterschool?
- CAPACITY: What programs and # of slots are available to children and youth (K-12) in Vermont?
- GAP ANALYSIS: How close/far away is Vermont from meeting demand? Where are the gaps in programming? (geographical, equitable access, participants served)



Develop and Refine a Data Model

- **Age groups** Focus on K-12 (do not consider Pre-K in this phase)
- Exclude school-operated clubs, one-off events
- **Filter for more comprehensive programs** meeting a defined threshold (e.g. at least one week, 6 hrs/day in summer)
- Consider accessibility features such as cost, transportation, meals, etc.
- Focus on existing and easily accessible data sets
- Assess feasibility prior to making official request for data
- Analysis to be conducted at county and potentially township level



Population Data Source

- US Census: https://data.census.gov
 - Children and Youth Population: B09001
 - Children and Youth with working parents: DP03
 - Living under Poverty Level: S1701_C01



Potential Demand

	ES (5-11)	MS (12-14)	HS (15-17)	TOTAL
All children and youth in Vermont - 5 to 17	45,111	21,336	21,598	88,045
Children and youth in Vermont with working parents - 5 to 17	36,195	17,146	17,344	70,685
Children and youth in Vermont living in households below the federal poverty line - 5 to 17		9,748		9,748

Initial Brainstorm of Potential Data Sources

Potential Primary Data Sources

- AOE 21st CCLC Grantees
- AOE ARP ESSER Afterschool and Summer Grantees
- AOE Act 67: Community Schools
- AOE Act 78: State Funded Afterschool and Summer Programs
- VTAS Afterschool and Summer Program Map (Survey Data)
- DCF Licensed Child Care Providers

Secondary | Future Data Sources

- DOL career & employment offerings
- Public Library Programs
- Parks and Rec
- School Athletics and Clubs
- City Program Locators
- Large Providers BGCA, Kindercare,
 YMCA, Campfire, 4H, etc
- Camps
 - American Camp Association Camp Finder
 - DOH licensed overnight camps
 - Conservation Camps
- NSLA/InPlay Summer Database
- Other local/state directories

Variables - Program/Activity

Requested

- Program name
- Time of year offered (e.g. summer, school year)
- Grade | age band served
- Slots available or actual number of participants | enrollees
- Start and end dates (or total days in session)
- Days of week offered (or days/week)
- # of hours offered per day (or start/end time)
- Financial support available

Optional | Future

- Enrollment requirements
- Schools served
- # of registrants | average daily attendance
- Count of waitlist
- If no financial support, cost of program
- Activity (content) category
- Program format (virtual, in person)
- Transportation options
- Meals or snacks provided
- Mental health supports provided
- Capacity to serve English Language Learners
- Capacity to serve vulnerable populations
- Capacity to serve students with physical disabilities
- Capacity to serve students with other disabilities



Data Source Summaries and Recommendations



Data Obtained

- AOE 21st CCLC Grantees
- AOE Act 67: Community Schools
- AOE Act 78: State Funded Afterschool and Summer Programs
- DCF Licensed Child Care Providers
- Vermont Afterschool's Program Map (Survey Data)
- NSLA/InPlay Summer Providers
- 4-H
- Find and Go Seek Database

<u>Landscape Data Inventory -</u> <u>Summary of Data Sources</u>





Variable	VT AS Map Survey	21st CCLC	Act78	VT Licensed Child Care Providers %	4-H*	InPlay/NSLA & Find and Go Seek *
Organization						
Organization Name	Υ	Υ	Υ	Υ	Υ	Υ
Program Category	Υ	N	N	Υ	Υ	Υ
	Si	te/Cente	r			
Site Address (including County)	Υ	N	Υ	Υ	N	Υ
Site Contact information	N	N	N	Υ	N	Υ
	Prog	gram/Activ	vity			
Program Name	Υ	Υ	Υ	Υ	Υ	Υ
Time of Year Offered	Υ	Υ	Υ	Р	Υ	Υ
Start and End Dates (or total # of days in session)	N	Υ	Υ	Р	Р	N
Days of Week Offered (or number of days/week)	N	Υ	Υ	Υ	Р	N
# Hours Offered Per Day (or start/end time)	N	Υ	Υ	Υ	Р	N
Slots Available (program capacity)	Р	Υ	Υ	Υ	Υ	N
Financial Support Available	Υ	Υ	Υ	Υ	Ν	N
Grades Ages Served	N	Y/P	Υ	Υ	Υ	Υ



Mapping data sets against the requested variables

[%] Partially included in detailed analysis, * Not included in detailed analysis

Vermont Afterschool - Landscape Survey

- Data was collected during the 2023-2024 program year
- 132 entries (about half of the sample) did not specify enough details to be included in the landscape analysis but their information is in the contact list for future reference
- Filtered out entries that specified receiving funding from 21stCCLC or Child Care
- Year round programs were counted as a single offering if summer and afterschool capacity was the same; was separated into two programs if capacity was different
- Details about program duration were largely missing but VT Afterschool specified that most/all were comprehensive programs

- Consider reducing the total number of fields collected via the survey and making the fields most important to the landscape analysis required. Prioritize ages served, program start/end dates, and duration/ total number of hours.
- Utilized 'YourProgramInformation_Physical Address' fields for the site address.
 Consider need to collect organization address and site location addresses to simplify.



VT AOE - 21stCCLC

- AOE shared 2022-2023 Data which was said to be representative of the landscape for the 2023-2024 school year
- 2024-2025 grantees and site names, which represent an additional \$5M investment, were not included in the data set because of missing data (time of year, number of participants)
- Reporting included the total number of enrollees as well as breakdown of number of days attended per participant; for this study we use total enrollees but in future could use those that attended over a certain number of days
- Age groups served was not directly specified; assume ES unless school name includes Middle or High school
- School addresses not included

- Add school address to database or add school ID (or use same school names from shared directory) in order to more easily identify and extract addresses.
- Consider adding age groups served to the data set to avoid having to add that manually.



VT AOE - Act 78

- Data was provided in two tabs that needed to be cleaned and combined; one tab included information on the program and organization, and the second was for the program locations
- County needed to be added based on city/county table
- Data included the proposed number of days with a break down by number of days and hours in the summer and school year; some programs were specified as year round

- Review the precision of the estimated number of contact days/hours and enrolled participants since this is the first year of programming.
- Review how number of days and hours offered are tracked and ensure that differentiation between summer and school year is specified, especially for year round programs.
- Consider using school ID number or school names based on shared directory.



VT AOE Act 67 - Community Schools

- 5 Grantees included Summer and/or Afterschool as part of their Community Schools Approach, and largely funded these efforts using Act78 and 21stCCLC funds
- For all of these projects, their reported participation numbers for other funding sources likely include the participants brought in by Community Schools. It is also important to note that Community Schools funding allowed for greater uptake of their other funding sources.

- Continue to monitor Community Schools Programs in Vermont for growth of programs funded outside of Act78 and 21stCCLC.
- Consider sharing review of existing data sets maintained exclusively for Act 67 funding and sharing the list of 'required' variables to inform data that is collected.



VT DCF - Licensed Child Care

- Data pulled in early October from public website and reflects 2024 program year.
- Extensive and regularly updated database though some fields are not filled out consistently or are interpreted and used differently across providers
- All providers with 'License School Age Capacity' were assumed to offer summer and/or afterschool. The 'Special Schedule' field was used to determining time of year. Programs that specified 'In-Service Days' or blank were coded as Year Round.
- Manually filtered out 21stCCLC and Act 78 programs but sorting by latitude/longitude and reviewing organization and program names.
- 5% of the slots were allocated to Middle school based on conversations with DCF

- Review process for filtering for summer and afterschool programs for school aged children to ensure there aren't more precise approaches.
- Consider whether to filter out non-recurring programs.
- Consider training for providers and referring agencies to ensure more consistent information about program type (e.g. before, after school), time of year, etc. Add a summer 'Type'?
- Review assumption that all licensed programs are comprehensive and determined if possible to filter for dosage.

VT 4-H

- 4-H maintains a data set of programming and produces an annual calendar year report based on programs offered, participant demographics, etc
- Specific addresses were not provided and while a site name or county were sometimes included, it would have been difficult to determine where programs occurred without significant manual cleaning
- Dosage information was inconsistent and several errors were noted
- Filtered out '4-H School Enrichment Programs' and 'Instructional TV / Video Programs' via 'Delivery Mode'
- Upon review, if programs seemed to be lighter touch and not comprehensive, were not included in analysis

- Work with 4-H to review program offerings to determine if there are a subset that should be included in future analysis.
- Determine the core information required and if 4-H is able to adjust tracking to more precisely identify programs (the zip code field was not utilized, for example).



Find and Go Seek & InPlay/NSLA Directories

 Organization program information along with contact information was included in these directories, but not enough information about program capacity, ages served, dosage, etc. to include in the landscape analysis

- Utilize contact lists for future outreach to programs to collect more detailed programming information.
- Consider partnership opportunities for data sharing and cross posting of info.

Dataset	School Year Providers	Summer Camps/Providers	
Find and Go Seek Data	31	241	
InPlay		47	
Vermont AS Survey	132		
TOTAL	451 (likely includes some duplicates)		



General Recommendations

- Review age/grade bands used and determine if they are best fit for how schools
 are structured. Many elementary school campuses appeared to go up to 6th grade.
 Total program slots were allocated evenly across grade bands served by each site:
 - Elementary School 5-11 years old, K-5th grades
 - Middle School 12-14 years old, 6th-8th grades
 - High School 15-17 years old, 9th-12th grades
- Where not included, consider adding county as an address field for site locations
 to avoid having to do matching with town/county database or manual lookups.
- Any program that was specified to be year round was considered to have the same capacity during the school year and summer and was treated as a single program (unless otherwise specified). Consider tracking as two separate programs going forward.
- If there are future attempts to use a survey to collect program information from providers that fall outside of the larger systems, utilize the InPlay/NSLA, Vermont Afterschool, and Find and Go Seek contact list and ensure that only the most necessary data is collected. Ensure that it is easy for providers to enter information on programs that have multiple sessions (e.g. a camp with 10 week long sessions) or when same program operates at multiple locations.

Reflections on Data Collection Process

What has worked

- Aligned Leadership supporting project and removing barriers
- Buy-in once partners understood the project
- Prioritization of data requested, only asking for what will be used
- Accepting data in any format, level of completeness
- Considering multiple uses of data (e.g. connections to program locators)
- Clarifying conversations with data contacts

Challenges/Tensions

- Questions about data security and need for data sharing agreements
- Time needed to receive some of the data
- Level of effort to clean and get data into consistent formats
- Inconsistencies across data sets and missing information, including school naming conventions/use of ID
- Caveating the analysis knowing that it is a snapshot in time and limited

Analysis and Findings





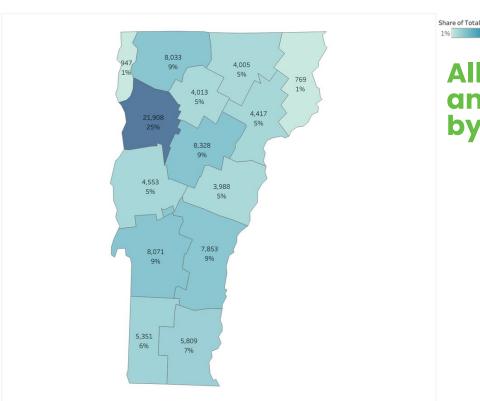
NEED: What is the potential need/demand for summer and afterschool?

Number of Children and Youth by County



County	Total 5-17 Year Olds	All ES (5-11)	AII MS (12-14)	All HS (15-17)
Addison County	4553	2477	951	1125
Bennington County	5351	2863	1217	1271
Caledonia County	4417	2049	1196	1172
Chittenden County	21908	11128	5344	5436
Essex County	769	372	207	190
Franklin County	8033	4296	1819	1918
Grand Isle County	947	512	197	238
Lamoille County	4013	2026	1072	915
Orange County	3988	2032	1016	940
Orleans County	4005	2187	850	968
Rutland County	8071	4006	2035	2030
Washington County	8328	4356	1991	1981
Windham County	5809	2946	1452	1411
Windsor County	7853	3861	1989	2003

Children and Youth by County - # and % of Total



All Children and Youth (5-17) by County

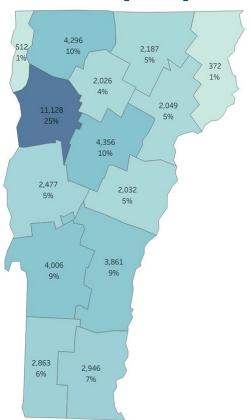


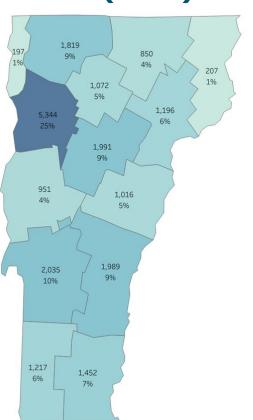
Youth by County and % of Total

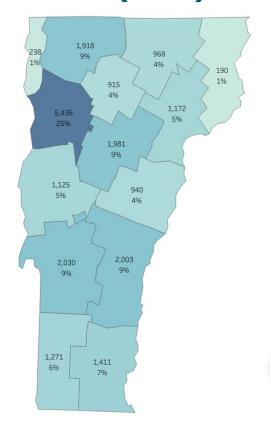
ES (5-11)

MS (12-14)

HS (15-17)





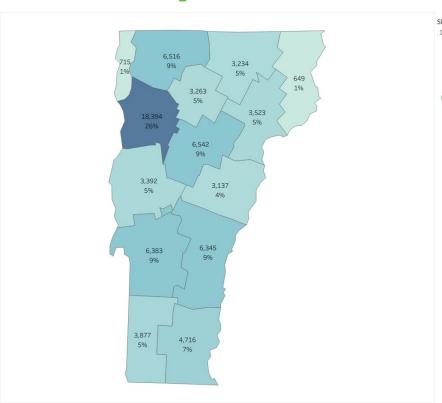


Children and Youth - Working Parents

LEARNING
AGENDA

County	% with Working Parents	ES (5-11)	MS (12-14)	HS (15-17)
Addison County	75%	1846	709	838
Bennington County	72%	2074	882	921
Caledonia County	80%	1634	954	935
Chittenden County	84%	9343	4487	4564
Essex County	84%	314	175	160
Franklin County	81%	3484	1475	1556
Grand Isle County	76%	387	149	180
Lamoille County	81%	1647	872	744
Orange County	79%	1598	799	739
Orleans County	81%	1766	686	782
Rutland County	79%	3168	1609	1605
Washington County	79%	3422	1564	1556
Windham County	81%	2392	1179	1146
Windsor County	81%	3120	1607	1619

Children and Youth by County - Working Parents (# and % of total)





Estimated 5-17 Year Olds with Working Parents

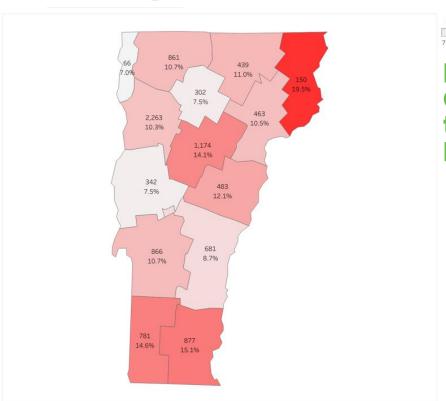


Children and Youth - Living Below Poverty Level



County	# 5-17 Below Poverty Level	% Below Poverty Level
Addison County	342	7.51%
Bennington County	781	14.60%
Caledonia County	463	10.48%
Chittenden County	2263	10.33%
Essex County	150	19.51%
Franklin County	861	10.72%
Grand Isle County	66	6.97%
Lamoille County	302	7.53%
Orange County	483	12.11%
Orleans County	439	10.96%
Rutland County	866	10.73%
Washington County	1174	14.10%
Windham County	877	15.10%
Windsor County	681	8.67%

Children and Youth by County - Below Poverty Level (# and % of total)





Estimated 5-17 Year Olds Living Below the Poverty Line



Potential Need | Demand

	ES (5-11)	MS (12-14)	HS (15-17)	TOTAL
All children and youth in Vermont - 5 to 17	45,111	21,336	21,598	88,045
Children and youth in Vermont with working parents - 5 to 17	36,195	17,146	17,344	70,685
Children and youth in Vermont living in households below the poverty line - 5 to 17		9,748		9,748



CAPACITY:

What programs and # of slots are available to children and youth (K-12) in Vermont?



Programs by System and Time of Year

Number of Programs

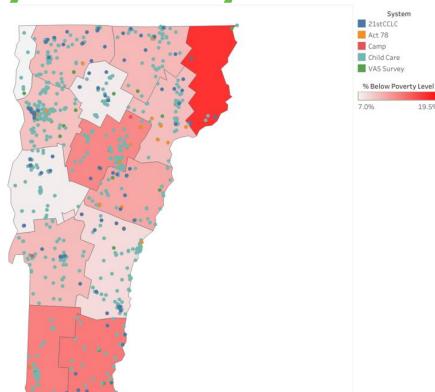
System	School Year Only	Summer Only	Year Round	Grand Total
21stCCLC		1	89	90
Act 78	10	13	16	39
Camp		4		4
Child Care	49	6	631	686
VAS Survey	38	47	11	96
Grand Total	97	71	747	915



Program Slots by Grade Band and Time of Year

Time of Year	Sum of ES Slots	Sum of MS Slots	Sum of HS Slots	Total
School Year Only	2937	622	325	3884
Summer Only	2237	2424	1962	6623
Year Round	16940	3637	1959	22536
Grand Total	22113	6683	4246	33043

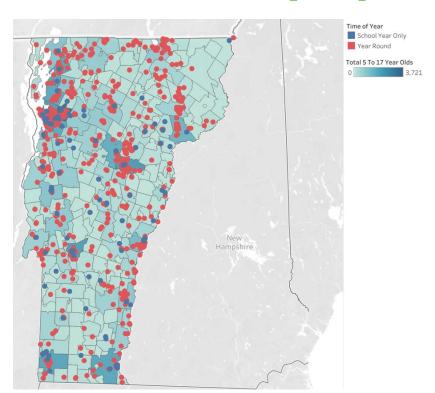
All Programs by System and by % Poverty Level





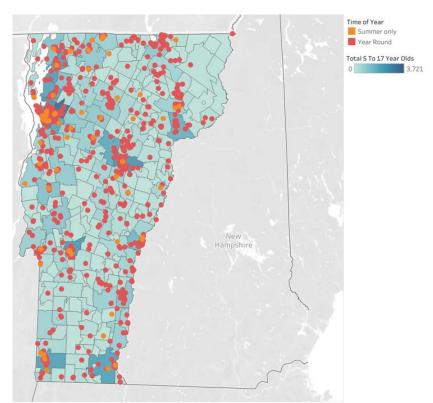
19.5%

Locations of School Year Programs and 5-17 Year Olds by Zip Code



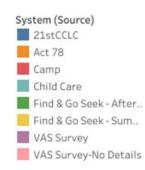


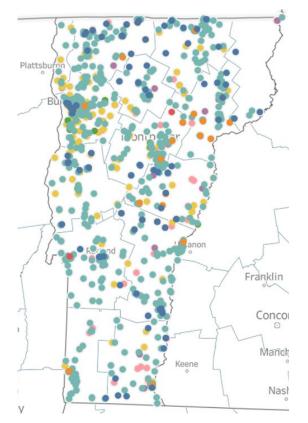
Locations of Summer Programs and 5-17 Year Olds by Zip Code





ALL Programs - Expanded Sample





Includes all program locations including those without detailed capacity and participant demographic information





GAP ANALYSIS:

How close/far away is Vermont from meeting demand?

Where are the gaps in programming? (geographical, equitable access, participants served)



Gaps in Afterschool and Summer Coverage

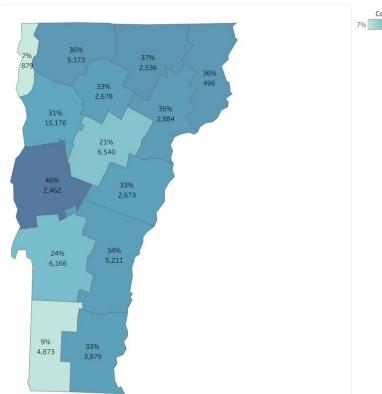
	A	fterschoo	ol	Summer		
Goal	ES	MS	нѕ	ES	MS	нѕ
Universal Coverage	-25,234	-17,077	-19,314	-25,934	-15,275	-17,676
C&Y with Working Parents	-16,318	-11,086	-13,422	-17,018	-11,086	-13,422
Narrow Income Targeting	+16672				+19411	

School Year Coverage and Gaps



County	School Year Coverage - All Ages (%)	School Year Gap - All Ages (#)	ES School Year Coverage (%)	ES School Year Gap (#)	MS School Year Coverage (%)	MS School Year Gap (#)	School Year HS Capacity (%)	School Year HS Gap (#)
Addison County	46%	2462	73%	663	25%	713	3%	1086
Bennington County	9%	4873	15%	2420	3%	1186	0%	1267
Caledonia County	35%	2884	41%	1200	52%	579	6%	1105
Chittenden County	31%	15176	47%	5849	15%	4549	12%	4778
Essex County	36%	496	48%	195	46%	111	0%	190
Franklin County	36%	5173	51%	2094	15%	1548	20%	1531
Grand Isle County	7%	879	13%	447	2%	194	0%	238
Lamoille County	33%	2678	55%	908	11%	953	11%	817
Orange County	33%	2673	45%	1116	33%	680	7%	878
Orleans County	37%	2536	51%	1081	12%	745	27%	710
Rutland County	24%	6166	38%	2497	7%	1883	12%	1786
Washington County	21%	6540	36%	2789	7%	1846	4%	1905
Windham County	33%	3879	31%	2033	54%	667	16%	1180
Windsor County	34%	5211	50%	1942	28%	1424	8%	1845

School Year Coverage (%) and Gap (#)



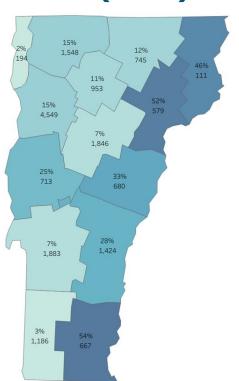




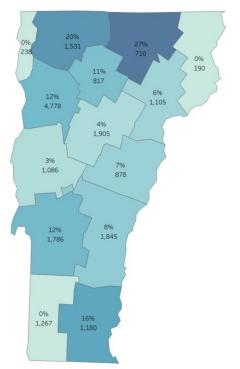
Coverage (%) and Gap (#) by County

ES (5-11)

1,081 48% 908 47% 1,200 5,849 36% 2.789 1.116 50% 1.942 2,497 31% 2,420



MS (12-14) HS (15-17) School Year



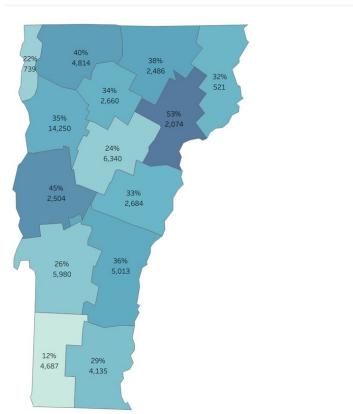


County	Summer Coverage - All Ages (%)	Summer Gap - All Ages (#)	Summer ES Capacity (%)	Summer ES Gap (#)	Summer MS Capacity (%)	Summer MS Gap (#)	Summer HS Capacity (%)	Summer HS Gap (#)
Addison County	45%	2504	73%	677	23%	728	2%	1099
Bennington County	12%	4687	18%	2349	7%	1132	5%	1206
Caledonia County	53%	2074	57%	874	79%	253	19%	947
Chittenden County	35%	14250	43%	6336	22%	4150	31%	3764
Essex County	32%	521	41%	220	46%	111	0%	190
Franklin County	40%	4814	54%	1958	21%	1438	26%	1418
Grand Isle County	22%	739	22%	401	25%	147	20%	191
Lamoille County	34%	2660	55%	905	12%	945	12%	810
Orange County	33%	2684	42%	1171	33%	679	11%	834
Orleans County	38%	2486	51%	1065	14%	728	28%	693
Rutland County	26%	5980	29%	2825	28%	1460	16%	1695
Washington County	24%	6340	30%	3034	27%	1458	7%	1847
Windham County	29%	4135	21%	2320	56%	634	16%	1181
Windsor County	36%	5013	53%	1799	29%	1412	10%	1802

Summer Coverage and Gaps

Summer Coverage (%) and Gap (#)

by County

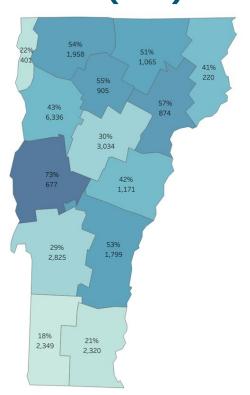


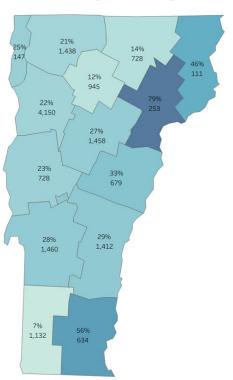




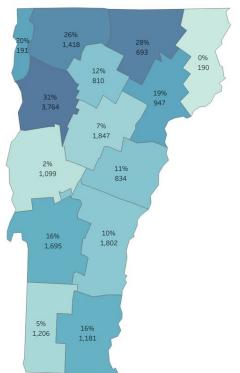
Coverage (%) and Gap (#) by County

ES (5-11)





MS (12-14) HS (15-17) Summer





Caveats and Limitations

- The description of existing capacity and gaps in delivery is a snapshot in time of a sample of readily available large data sets and does not include the full scope of school year, afterschool, and summer programming. The actual demand is likely to be lower than the full number of children and youth living in Vermont.
- Program slots were allocated to elementary, middle, or high school equally when a
 program indicated that they served at least one grade in the grade band, which may
 lead to over or under counting for some programs and grade bands.
- The sample is focused on more comprehensive programs and sought to include programs that provided the following dosage (though only the 4-H programs were excluded based on this filter and many programs didn't include end information to determine if they met this bar):
 - Summer At least 1 week (5 days), 6 hours per day
 - After School At least 2 hours/day, 4 days per week for at least 2 weeks per fall, spring session
 - Excluding 1-off or 1-day event

Discussion

- What patterns or trends stood out?
- How do the findings align or diverge from your understanding of the current program landscape?
- How can this information be leveraged to improve the availability and access to summer and afterschool programs?



Potential Next Steps

- Determine approach to quantifying actual demand for afterschool and summer programs
- Determine which analyses and visualizations are most useful and which data points are required for these views
- Determine the filter for the dosage or intensity of a program that is required to be included in future analysis
- Consider approaches for additional data collection and prioritize the next set of large providers (Boys and Girls Clubs, YMCA, Parks and Rec, and summer camps are recommended)
- Consider a capacity to serve and gap analysis by zip code (vs. town)





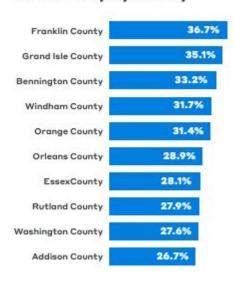
References & Resources

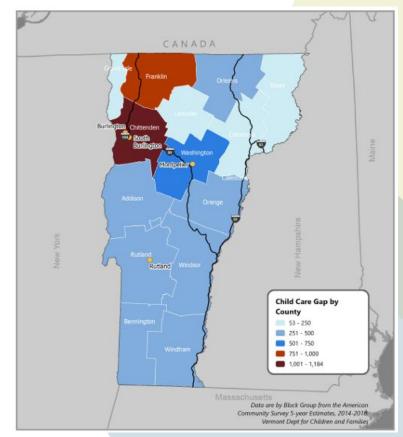
- 2021 Vermont Landscape Analysis and Dataset (Includes Child Care and 21stCCLC)
- <u>2022 America After 3 Report and Dashboards</u>
- Needs assessment of out-of-school time programs in the District of Columbia
- 2019 National Child Care Gap Analysis Report
- <u>2019 Vermont Child Care Gap Analysis One Pager</u>



2019 Child Care Gap Analysis

Percent Gap by County





Based on children 5 years and younger



Impact grows here.

Working with philanthropies, nonprofits, and educators to expand equitable learning opportunities within and outside of schools

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